



M2 CARPETS

Maltzahn Carpet Innovation GmbH  
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## Essential 900

Version 19.08.2015

### Kennzeichnende Merkmale

Herstellungsart   <i>Manufacturing process</i>	DIN ISO 2424
Oberseitengestaltung   <i>frontside structure</i>	DIN ISO 2424
Farbgestaltung   <i>color</i>	DIN ISO 2424
Material der Nutzschicht   <i>Pile material</i>	
Träger- / Grundgewebe   <i>Primary backing</i>	DIN ISO 2424
Rückenausstattung   <i>Secondary backing</i>	DIN ISO 2424
Poleinsatzgewicht   <i>Pile weight</i>	DIN ISO 2424
Gesamtgewicht   <i>Total weight</i>	ISO 8543
Polhöhe   <i>Pile height</i>	ISO 1766
Gesamtdicke   <i>Total thickness</i>	ISO 1765
Noppenzahl   <i>Number of knots</i>	ISO 1763
Breite   <i>Width</i>	DIN 3018

getuftet 1/10 <sup>st</sup>   <i>tufted</i>
Schnittpol Saxony Velours   <i>Cut pile – saxony</i>
Chromojet Druck   <i>Chromojet print</i>
100 % Polyamid PA
PP Gewebe   <i>PP Woven</i>
Textilrücken   <i>Textile backing</i>
ca.   approx. 900 g/m <sup>2</sup>
ca.   approx. 1835 g/m <sup>2</sup>
ca.   approx. 4,5 mm
ca.   approx. 6,5 mm
ca.   approx. 197.500 / m <sup>2</sup>
ca.   approx. 400 cm

### Funktionseigenschaften

Beanspruchungsklasse   <i>Wear classification</i>	EN 1307:2004
Komfortklasse   <i>Comfort rating</i>	EN 1307:2004

CL 33 – gewerblich stark | *heavy contract*  
LC 3

### Bauphysikalische Eigenschaften

Oberflächenwiderstand   <i>Surface resistance</i>	ISO 10965
Durchgangswiderstand   <i>Vertical resistance</i>	ISO 10965
Schallabsorptionsgrad   <i>Sound absorption coefficient</i>	ISO 11654:1997-07
Trittschallverbesserungsmaß   <i>Impact sound insulation</i>	EN ISO 10140:2010
Elektrostatistisches Verhalten   <i>Antistatic behaviour</i>	ISO 6356:2012
Wärmedurchlasswiderstand   <i>Thermal resistance</i>	ISO 8302:1991
Brandverhalten   <i>Fire rating</i>	DIN EN 13501-1

ca.   approx. Ω
ca.   approx. Ω
Hz 125 250 500 1000 2000 4000
α <sub>p</sub> 0,02 0,06 0,10 0,22 0,39 0,44
α <sub>w</sub> 0,20 Hz
ca.   approx. 25 dB
kV
ca.   approx. 0,073 K * m <sup>2</sup> /W
C <sub>fl-s1</sub>

### Echtheiten

Lichtechtheit   <i>Colour fastness to light</i>	ISO 105-B02:2000	7
Wasserechtheit   <i>Colour fastness to water</i>	DIN EN ISO 105 E01:2013	5
Reibechtheit trocken/nass   <i>Rubbing fastness dry/wet</i>	DIN EN ISO 105 X12:2002	≥ 4



DIBt: Z-156.601.1507



1658-CPR-3123  
EN 14041:2004



These details are approximate. Complete specification details and associated certificates together with tolerances applying to the above can be provided upon request. We reserve the right to alter specifications without notice. Due to method of manufacture, perfect pattern and/or colour matching cannot be guaranteed. In cut pile carpet, shading/pile reversal might occur without affecting overall quality and suitability. Shading/pile reversal will not be considered as a manufacturing fault and will not affect the durability of the carpet.



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# Essential 1100

Version 19.08.2015

### Kennzeichnende Merkmale

Herstellungsart   <i>Manufacturing process</i>	DIN ISO 2424
Oberseitengestaltung   <i>frontside structure</i>	DIN ISO 2424
Farbgestaltung   <i>color</i>	DIN ISO 2424
Material der Nutzschicht   <i>Pile material</i>	
Träger- / Grundgewebe   <i>Primary backing</i>	DIN ISO 2424
Rückenausstattung   <i>Secondary backing</i>	DIN ISO 2424
Poleinsatzgewicht   <i>Pile weight</i>	DIN ISO 2424
Gesamtgewicht   <i>Total weight</i>	ISO 8543
Polhöhe   <i>Pile height</i>	ISO 1766
Gesamtdicke   <i>Total thickness</i>	ISO 1765
Noppenzahl   <i>Number of knots</i>	ISO 1763
Breite   <i>Width</i>	DIN 3018

getuftet 1/10<sup>st</sup> | *tufted*  
**Schnittpol Saxony Velours** | *Cut pile – saxony*  
**Chromojet Druck** | *Chromojet print*  
**100 % Polyamid PA**  
**PP Gewebe** | *PP Woven*  
**Textilrücken** | *Textile backing*  
ca. | *approx.*            **1050** g/m<sup>2</sup>  
ca. | *approx.*            **2020** g/m<sup>2</sup>  
ca. | *approx.*            **5,0** mm  
ca. | *approx.*            **7,0** mm  
ca. | *approx.*            **213300** / m<sup>2</sup>  
ca. | *approx.*            **400** cm

### Funktionseigenschaften

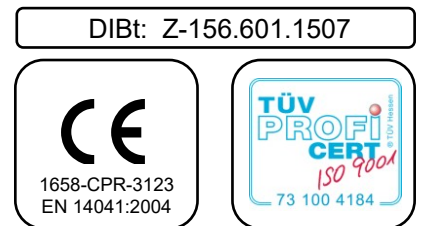
Beanspruchungsklasse   <i>Wear classification</i>	EN 1307:2004	<b>33</b>
Komfortklasse   <i>Comfort rating</i>	EN 1307:2004	<b>LC 4</b>

### Bauphysikalische Eigenschaften

Oberflächenwiderstand   <i>Surface resistance</i>	ISO 10965	ca.   <i>approx.</i> Ω
Durchgangswiderstand   <i>Vertical resistance</i>	ISO 10965	ca.   <i>approx.</i> Ω
Schallabsorptionsgrad   <i>Sound absorption coefficient</i>	ISO 11654:1997-07	Hz    125    250    500    1000    2000    4000 α <sub>p</sub> 0,02    0,06    0,10    0,22    0,39    0,44 α <sub>w</sub> <b>0,25</b> Hz
Trittschallverbesserungsmaß   <i>Impact sound insulation</i>	EN ISO 10140:2010	ca.   <i>approx.</i> <b>27</b> dB
Elektrostatisches Verhalten   <i>Antistatic behaviour</i>	ISO 6356:2012	kV
Wärmedurchlasswiderstand   <i>Thermal resistance</i>	ISO 8302:1991	ca.   <i>approx.</i> <b>0,11</b> K * m <sup>2</sup> /W
Brandverhalten   <i>Fire rating</i>	DIN EN 13501-1	<b>C<sub>f</sub>-s1</b>

### Echtheiten

Lichtechtheit   <i>Colour fastness to light</i>	ISO 105-B02:2000	<b>8</b>
Wasserechtheit   <i>Colour fastness to water</i>	DIN EN ISO 105 E01:2013	<b>≥ 4</b>
Reibechtheit trocken/nass   <i>Rubbing fastness dry/wet</i>	DIN EN ISO 105 X12:2002	<b>≥ 4</b>



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## Essential 1300

Version 19.08.2015

### Kennzeichnende Merkmale

Herstellungsart   <i>Manufacturing process</i>	DIN ISO 2424	getuftet 1/10 <sup>st</sup>   <i>tufted</i>
Oberseitengestaltung   <i>frontside structure</i>	DIN ISO 2424	Schnittpol Saxony Velours   <i>Cut pile – saxony</i>
Farbgestaltung   <i>color</i>	DIN ISO 2424	Chromojet Druck   <i>Chromojet print</i>
Material der Nutzschicht   <i>Pile material</i>		100 % Polyamid PA
Träger- / Grundgewebe   <i>Primary backing</i>	DIN ISO 2424	PP Gewebe   <i>PP Woven</i>
Rückenausstattung   <i>Secondary backing</i>	DIN ISO 2424	Textilrücken   <i>Textile backing</i>
Poleinsatzgewicht   <i>Pile weight</i>	DIN ISO 2424	ca.   approx. 1245 g/m <sup>2</sup>
Gesamtgewicht   <i>Total weight</i>	ISO 8543	ca.   approx. 2215 g/m <sup>2</sup>
Polhöhe   <i>Pile height</i>	ISO 1766	ca.   approx. 5,5 mm
Gesamtdicke   <i>Total thickness</i>	ISO 1765	ca.   approx. 7,5 mm
Noppenzahl   <i>Number of knots</i>	ISO 1763	ca.   approx. 237000 / m <sup>2</sup>
Breite   <i>Width</i>	DIN 3018	ca.   approx. 400 cm

### Funktionseigenschaften

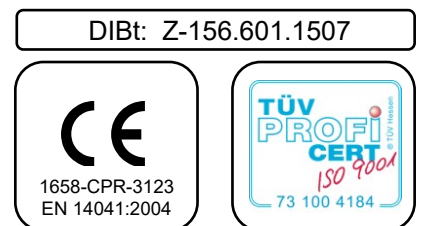
Beanspruchungsklasse   <i>Wear classification</i>	EN 1307:2004	33
Komfortklasse   <i>Comfort rating</i>	EN 1307:2004	LC 4

### Bauphysikalische Eigenschaften

Oberflächenwiderstand   <i>Surface resistance</i>	ISO 10965	ca.   approx. Ω														
Durchgangswiderstand   <i>Vertical resistance</i>	ISO 10965	ca.   approx. Ω														
Schallabsorptionsgrad   <i>Sound absorption coefficient</i>	ISO 11654:1997-07	<table border="1"> <tr> <td>Hz</td> <td>125</td> <td>250</td> <td>500</td> <td>1000</td> <td>2000</td> <td>4000</td> </tr> <tr> <td>α<sub>p</sub></td> <td>0,00</td> <td>0,05</td> <td>0,15</td> <td>0,25</td> <td>0,40</td> <td>0,50</td> </tr> </table>	Hz	125	250	500	1000	2000	4000	α <sub>p</sub>	0,00	0,05	0,15	0,25	0,40	0,50
Hz	125	250	500	1000	2000	4000										
α <sub>p</sub>	0,00	0,05	0,15	0,25	0,40	0,50										
		α <sub>w</sub> 0,25 Hz														
Trittschallverbesserungsmaß   <i>Impact sound insulation</i>	EN ISO 10140:2010	ca.   approx. 29 dB														
Elektrostatisches Verhalten   <i>Antistatic behaviour</i>	ISO 6356:2012	kV														
Wärmedurchlasswiderstand   <i>Thermal resistance</i>	ISO 8302:1991	ca.   approx. 0,08 K * m <sup>2</sup> / W														
Brandverhalten   <i>Fire rating</i>	DIN EN 13501-1	C <sub>fl-s1</sub>														

### Echtheiten

Lichtechtheit   <i>Colour fastness to light</i>	ISO 105-B02:2000	8
Wasserechtheit   <i>Colour fastness to water</i>	DIN EN ISO 105 E01:2013	≥ 4
Reibechtheit trocken/nass   <i>Rubbing fastness dry/wet</i>	DIN EN ISO 105 X12:2002	≥ 4



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